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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/993,503	11/27/2001	Hoi-Sik Moon	6192.0193.AA	8146
7590 01/27/2005 McGuireWoods LLP 1750 Tysons Blvd Suite 1800 McLean, VA 22102			EXAMINER NGUYEN, HOAN C	
			ART UNIT 2871	PAPER NUMBER

DATE MAILED: 01/27/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

NOTICE OF NON-RESPONSIVE AMENDMENT

Response to Amendment

The timely submission under 37 CFR 1.129(a) filed on Nov. 15, 2004 is not fully responsive to the prior Office action because applicant fails to elect the species for examining in Group I or II:

A: First embodiment drawn to a thermal expanded conductive pattern group of PCB substantially aligned to a conductive pattern group of the adherent member; Thus an interval between a conductive pattern group of PCB being equal to an interval between a conductive pattern group of the adherent member.

B: Second embodiment drawn to a conductive pattern group of PCB corresponding one-to-one with a conductive pattern group of the connection port (the adherent member), wherein an interval between a conductive pattern group of PCB being smaller than an interval between the connection port.

Examiner contacted Mr. Young Choi and Mr. Hae-Chan Park for advising and electing Species on phone, but they failed to provide the proper election and Mr. Choi requested this written NOTICE OF NON-RESPONSIVE AMENDMENT.

Furthermore, examiner also pointed out with Mr. Choi that the features species B (new claims 15, 19 and 23) do not disclose in the specification. Therefore, if Species B was elected, applicant needs to supply or provide the evidences of the features "an

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interval between a conductive pattern group of PCB being smaller than an interval between the connection port” of species B in a disclosure of the specification.

Since the submission appears to be a *bona fide* attempt to provide a complete reply to the prior Office action, applicant is given a shortened statutory period of ONE MONTH or THIRTY DAYS from the mailing date of this letter, whichever is longer, to submit a complete reply. This shortened statutory period supersedes the time period set in the prior Office action. This time period may be extended pursuant to 37 CFR 1.136(a). If a notice of appeal and the fee set forth in 37 CFR 1.17(e) were filed prior to or with the payment of the fee set forth in 37 CFR 1.17(r), the payment of the fee set forth in 37 CFR 1.17(r) by applicant is construed as a request to dismiss the appeal and to continue prosecution under 37 CFR 1.129(a). The appeal stands dismissed.

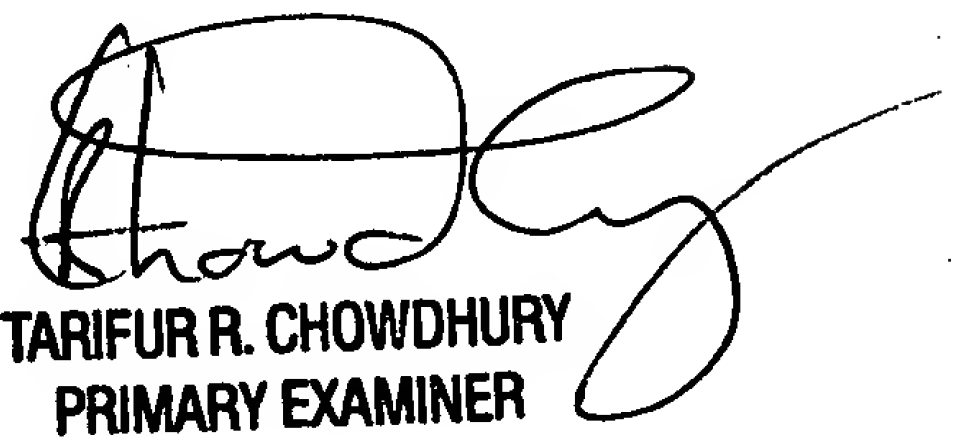
Any inquiry concerning this communication or earlier communications from the examiner should be directed to HOAN C. NGUYEN whose telephone number is (571) 272-2296. The examiner can normally be reached on MONDAY-THURSDAY:8:00AM-4:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kim H Robert can be reached on (571) 272-2293. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

HOAN C. NGUYEN
Examiner
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TARIFUR R. CHOWDHURY
PRIMARY EXAMINER